Title (en)

CAPACITIVE KEYBOARD WITH NON-LOCKING REDUCED KEYING AMBIGUITY

Title (de)

KAPAZITIVE TASTATUR MIT NICHT VERRIEGELNDER REDUZIERTER TASTENBETÄTIGUNGSMEHRDEUTIGKEIT

Title (fr)

CLAVIER CAPACITIF PRESENTANT UNE AMBIGUITE DE SAISIE REDUITE SANS BLOCAGE

Publication

EP 1964265 A1 20080903 (EN)

Application

EP 06755581 A 20060620

Priority

- GB 2006002275 W 20060620
- US 59785105 P 20051221
- US 27940206 A 20060412

Abstract (en)

[origin: US2006192690A1] Keyboards, keypads and other data entry devices can suffer from a keying ambiguity problem. In a small keyboard, for example, a user's finger is likely to overlap from a desired key to onto adjacent ones. An iterative method of removing keying ambiguity from a keyboard comprising an array of capacitive keys involves measuring a signal strength associated with each key in the array, comparing the measured signal strengths to find a maximum, determining that the key having the maximum signal strength is the unique user-selected key, and maintaining that selection until either the initially selected key's signal strength drops below some threshold level or a second key's signal strength exceeds the first key's signal strength.

IPC 8 full level

H03K 17/96 (2006.01); **G06F 3/023** (2006.01)

CPC (source: EP KR US)

G06F 3/0202 (2013.01 - KR); **G06F 3/0237** (2013.01 - EP US); **H03K 17/9622** (2013.01 - EP KR US); **H03M 11/02** (2013.01 - KR); H03K 17/9643 (2013.01 - EP US); H03K 2217/960705 (2013.01 - EP US); H03K 2217/960755 (2013.01 - EP)

Citation (search report)

See references of WO 2007071892A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006192690 A1 20060831; **US 7821425 B2 20101026**; AT E462228 T1 20100415; CN 101390290 A 20090318; CN 101390290 B 20110907; DE 202006019926 U1 20070802; DE 602006013189 D1 20100506; EP 1964265 A1 20080903; EP 1964265 B1 20100324; JP 2009521035 A 20090528; KR 20080081330 A 20080909; TW 200726080 A 20070701; TW I415389 B 20131111; US 2011018744 A1 20110127; US 2012105260 A1 20120503; US 8102286 B2 20120124; US 9024790 B2 20150505; WO 2007071892 A1 20070628

DOCDB simple family (application)

US 27940206 A 20060412; AT 06755581 T 20060620; CN 200680052852 A 20060620; DE 202006019926 U 20060620; DE 602006013189 T 20060620; EP 06755581 A 20060620; GB 2006002275 W 20060620; JP 2008546561 A 20060620; KR 20087017780 A 20080721; TW 95123644 A 20060629; US 201213347312 A 20120110; US 89922910 A 20101006